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Mr. C. H. Fulton

M.D.M.

THE MISSOURI MINER



ANNUAL
FOOTBALL NUMBER

Foreword

In presenting this, our first football issue, we have striven to make it an achievement worth while. We offer no apologies and solicit no compliments. It is but a mirrored image of the 1923 football season.

We may not have put out our best issue in this maiden attempt, but have, at least, tried to make it worthy of your consideration; and to substantiate these claims we have practically eliminated all news articles, in order that we may devote more space to our greatest American college game—Football.

If we have failed, it is to be deplored; if succeeded, we ask no more, for we then know that our efforts have not been in vain, and our mission fulfilled.

THE EDITORS.

THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 10, No. 15.

Monday, December 3, 1923.

Price, 8 Cents.

MINERS 0, ARKANSAS AGGIES 20

REVIEW OF THE 1923 FOOTBALL SEASON.

As the last clouds of battle clear, and we view the 1923 football season, we must admit that it was a success. The prospects were very good, and Coach McCollum moulded a strong team to oppose Washington in the opening game. The team met the Pikers on Francis Field on October 6, and gave them such a fight that they were glad when the final whistle blew, while they were still on the heavy end of the score. Being beaten 7-0 when victory was so near at hand took the fight out of the team. The 54-0 defeat at the hands of the Drake team was not encouraging. The muddy field might have had something to do with the defeat, but the Miners were outclassed.

The game with S. M. U. that took place three days later stands out as the only blot in the season. The two defeats had completely broken the spirit of the team and school, and M. S. M. was defeated 35-0, when she should have had an easy victory. The next week brought the old fight back to the team and student body, and the results are shown by the 34-7 victory over the Kirkville Osteopaths. A week later the Miners played a one-sided game with the Kansas City University, and won by a score of 109-0. The game with the Oklahoma School of Mines was also one-sided, and the Miners won, 53-0. The winning streak continued when the Miners journeyed to Springfield to play the annual game with Drury. The game ended with the Miners leading, 13-7, and the ball in the Miners' possession and on the 10-yard line. The closing game of the season was a hard fought game with the Arkansas Aggies at Russelville, where M. S. M. was defeated 20-0 by the strong team that had been defeated only by the Army this season.

During part of the season the outlook was none too bright, but now as we view it from a distance, we see a season that started well, only to be marred by a lack of school spirit in

FOOTBALL COMES FROM AN- CIENT GREECE AND ROME.

As the great crowds of people watched the football games in various parts of the country during the football season, few there are who realized that they were seeing a game that had its origin in the days of ancient Greece and Rome.

One of the most famous football fields of ancient times was in a square at the end of the Church of Santa Croce, the Westminster Abbey of Florence, where teams battled with twenty-seven men on a side. The game was also played later throughout Germany, France and England, and the names of many noble families appeared in the line-ups.

The rise of football was not without handicap, for in 1314 Edward II in England issued the following proclamation:

"Forasmuch as there is a great noise caused by hustling over large balls from which many evils might arise, which God forbid, we forbid such game to be played in the city in the future."

Other monarchs opposed the game, for they thought it caused archery, which was of military value, to be neglected. In 1457 the Scottish James III decreed that "football and golfe be utterly cryed down and not to be used." His successor also ruled against the game, and when James I of England came to the throne he said that football was "meeter for laming than for making able users thereof."

Despite the monarchical opposition the game was popular in Great Britain for centuries, and still proves a favorite pastime. When the men at the festivals gave up the game it was kept alive by boys of the public schools. Especially was it cherished at Rugby. The Rugby rules for the game were introduced in Canada and the United States. Harvard was the first to adopt the game in 1875, and the first intercollegiate contest was played the following year between Harvard and Yale. Nine years later a football association was formed in-

AGGIES BEAT MINERS IN FINAL GAME OF SEASON.

The Arkansas Aggies defeated the Miners, 20 to 0, in the final game of the season, at Russelville, on Thanksgiving. It was nip and tuck from start to finish, with both teams playing an excellent brand of football throughout the entire game.

The Miners displayed some powerful defensive work, holding the Aggies several times for downs in the shadow of their own goal.

Playing without the services of three regulars during a greater part of the game, the Miners are to be commended on the excellent game which they played against such odds. Captain Nolen was unable to make the trip, and Tucker and Kemper were forced to retire from the game shortly after the first quarter, due to injuries.

The Aggies secured their first touchdown shortly after the opening whistle, when Tucker, the Aggies' scintillating quarterback, broke through the line for 68 yards and a touchdown. Their second touchdown came in the second quarter, when the Aggies carried the ball from their own 15-yard line across the Miners' goal line. Their final counter was made in the fourth quarter, when a series of line smashes brought the ball to the 1-foot line, and Lyons, an ex-Miner, carried the ball over after two attempts.

PLAY BY PLAY.

First Quarter.

Gabler kicked off to the Aggies, who returns the ball to the 48-yard line. Two line smashes netted 8 yards, and an end run made it first down. A pass was incomplete, and the Aggies punted to the Miners' on their own 40-yard line. Tucker and Robinson failed to gain. Gabler punted to the Aggies 35-yard line. Miners penalized 5 yards for off-sides. Tucker, of the Aggies, broke through the line for 68 yards and a touchdown. Tucker kicked goal after touchdown. Aggies 7, Miners 0.

Miners kick off to the Aggies, who

Continued on Page Two.

Continued on Page Five.

Continued on Page Eight.

1923 FOOTBALL TEAM



BACK ROW—Capt. Nolen, Fisher, Tucker, Thomas.

1ST ROW—Ledford, E. Neil, Gabler, Commack, Zoller, M. Neil, Kemper.

Continued from Page One.

one game, but an ending that can hardly be criticized. The season had its ups and downs, but it ended with a total score of 209 points to its opponents' 136. The one thing that stands out is the lesson that a team can not win without the school back of it. The school did not get the old fight until three defeats had been rolled up against her, but when she did, the team went like a hurricane. Taken as a whole, the season was a decided success. We take our hats off to the men who have fought to uphold the name of M. S. M. That means the first team, second team, scrubs, and rubbers.

COACH S. C. McCOLLUM.

The close of the present football season witnessed the completion of Coach McCollum's second year as head football coach at M. S. M. Coached, as he was, in the Hugo Bezdek school of football, it was only natural that Coach McCollum should instill into his proteges that fighting spirit so characteristic of Bezdek, and which has so often turned defeat into victory.

Hampered by obstacles which were immovable, Coach McCollum

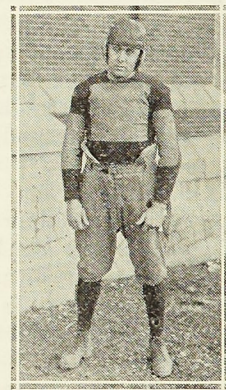
has given to us a team of which we are justly proud.

Handicapped by stringent school work, which often necessitated the absence of men from the football field during practice he developed at M. S. M. this year a team that has gone thru, and with no little success, one of the stiffest schedules that a Miner team has ever faced.

To build a team with but four letter men as a nucleae was the difficult task that confronted McCollum at the opening of school. Without a word of complaint "Mac" acts—he doesn't talk—he moulded together from the material on hand a team that ran up a score of 109 to 0 against Kansas City University, walloped Oklahoma School of Mines 53 to 6, and Kirksville Osteopaths 34 to 7, and trimmed our old rivals, Drury, 13 to 7.

We are all proud of Coach McCollum, and pleased with the way he does things. Next year we hope to see him again at the helm, guiding the destiny of the good ship "Football" at M. S. M.

So here's to Coach McCollum, a real coach, a good fellow, and a true sportsman.



CAPT. NOLEN, QUARTERBACK.

The above is a much re-touched likeness of Jack Nolen, 1923 Football Captain. Even his parents say that it does not look like him.

Hannibal, a quaint little cement industry city, on the Father of Waters—the Mississippi—claims this unassuming young man as one of her citizens, and it was here that Nolen was born, and spent his happy boyhood in gathering up 168 pounds of anatomy. This offspring was such a common looking baby that his parents fought all temptations to call their son Percy, and in a burst of inspiration hit upon the equally common name of John, which the bearer

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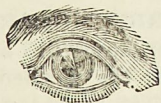
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promptly transformed to Jack when he became old enough to open his dark brown eyes.

Fate grinned derisively upon our hero, and he followed the Hannibal stars before him to M. S. M., and was duly matriculated here two years ago for the furtherance of his education.

Jack has won the honor to captain our team in his Junior year, and it is an honor indeed, but Jack Nolen shows every promise of deserving it, for he is truly a great player. His coolness under fire, and his able generalship at the quarterback position have stamped him as an outstanding star in victory, as well as defeat.

TUCKER, HALF BACK.

In Joe Tucker the Miners had a real back-field man. "Tuck" was almost always sure to gain, and his shifty running gained the Miners much yardage. "Tuck" is a fighter and a steady player, and that in itself should be enough for one player. A man who gets in and fights to the last is an asset to any team, and Tucker is no exception. Besides being one of the team's best ground gainers, "Tuck" has a nice habit of backing up the line, and nearly always stopped his man on the line of scrimmage. No matter how bad things looked, or how hard he had been hit, "Tuck" always came up smiling. Much credit is due Tucker for the wonderful aerial attack the Miners developed this season, because it was "Tuck" that sent most of those forward passes on their way. Tucker's fight, shifty running, good defensive and offensive playing, are going to be even a bigger help in the next three years.

ROBINSON, FULLBACK.

"Pike" Robinson attended school one semester last year, and made his first appearance on the gridiron this fall. "Pike" is a cool player and quiet, but he hit like a ton of brick. His line plunging this year was very noticeable. His interference gained much ground for the Miners. Robinson is a good defensive player, and usually got his man, and got him good. "Pike" has two more years to play, and is going to be a big asset to the team during those years.

PLAYER, END AND HALFBACK.

George Player came to M. S. M. with a reputation of being an All-star high school man, and his playing in his freshman year certainly upheld his reputation. Player played both end and back field well. His speed and open field running distinguished him this year. George is also a good

defensive player, and is always there to get his man. Running interference is another one of George's long suits. With three years to go, Player has an opportunity to distinguish himself, and be a big credit to the school.

FISHER, HALF BACK.

Starting the season at end, Fisher was changed to a half back position when back field men were scarce. Although unaccustomed to a half back berth, "Fish" made good from the start. Possessing a lot of speed he was used mostly on end runs, and could always be depended upon for a good gain. Although his specialty was end runs "Fish" often demonstrated his line-smashing ability by tearing thru the line and off-tackle for large gains.

"Fish" was one of the best defensive players in the Miners' back field. He is adept at breaking up forward passes, and seldom permitted large gains on his side.

Although this was his first year on the team, "Fish" has gained a lot of experience, and should prove to be one of the stellar performers on next year's team.

MODOFF, HALFBACK.

Tony is another member of the Class of '27 from whom much is expected in the next three years. As a football player "he's there" A sure ground gainer, a hard hitter and a consistent line plunger, all of which stamps him as a valuable asset to any backfield. He is speedy and a steady plugger, and backs up the line as well as making great holes for interference.

THOMAS, QUARTERBACK.

Tommy played his first football for the Miners during the past season. What he lacked in weight, he made up in speed and shiftiness. He is exceedingly hard to tackle, and his ability to slip off tackle and around end has won the plaudits of the crowd on numerous occasions. When Nolen was out of the game he handled the quarterback position in a very credible manner. Tommy always gives his best at all times. He hits the line and circles the ends as a true gridiron luminary. Much is to be expected from Tommy in the next three years, for he is a "comer."

KEMPER, LEFT END.

"Little Claudie," as he is more familiarly known, played his first and last year of the gridiron sport this year. Although a familiar figure on the basketball court, "Kemp" had never shown his wares on the gridiron until this year. Possessing a

1923 FOOTBALL SQUAD



TOP ROW (left to right)—Coach M. Collum, Ledford, McCaulley, Anderson, Heinrich, Campbell, Tucker, Dennie, Hodgdon.
 THIRD ROW—E. Neil, McCandless, Havens, Terrill, Player, Commack, Berry, Kemper.
 SECOND ROW—Gabler, Springer, Capt. Nolen, Zoller, Johnson, M. Neil, Beardmore.
 BOTTOM ROW—Joyce, Thomas, Fisher, Robinson, Modoff, Harris.

powerful physique and a knack for catching forward passes, he was always a source of worry for the opposing teams.

On the offensive the big end performed in an exceptional manner, often crashing thru the line and breaking up end runs and off-tackle plays before they had made any headway. But it was on the offensive that this satellite shone the brightest. His longest gain was in the Oklahoma Miners game, when he grabbed a pass from Tucker and raced 82 yards thru a broken field for a touchdown. But his best performance of the year was in the game with Washington University. Time and again the big boy drew the plaudits of the crowd by his sensational nabbing of passes, and his work in this game was undoubtedly on a par with the best ever seen on Francis Field.

Kemper has played his last game for the Miners. In losing him the Miners have lost a man who fought every inch of the way. His place will be hard to fill.

LEDFORD, RIGHT END.

Mighty Ledford is some boy. Without Mike in the game things would

look black indeed. Mike has played football for the last three years at M. S. M., and still has another year to go. We don't look for much improvement in Mike's football playing ability, simply because it is impossible to improve on perfection. Ledford proved a revelation as an end. Last year he played in the back field, but this year held down the position of end in a manner which would make Walter Camp rub his eyes and take another look. When it comes to fighting Mike takes the fur-lined soup tureen. The tackling that he did at the Drury game this year was beautiful to see, and that same goes for every other game in which he has taken part. We take off our hats to Mike.

ZOLLER, CENTER.

Zoller is a good reproduction of his brother "Hank." He played center, and altho this year was his first appearance on the gridiron every one knows that he played the game like an old-timer. He is worthy of the name Zoller, and has done what his brother would have been proud to do. He played left guard on the defensive, and was very successful in

keeping the line intact. The football fans feel that they are fortunate in having him here this year, and it is hoped that his next three years will be as successful as his first.

GABLER, RIGHT GUARD.

George Gabler deserves a good deal of credit for the excellent spirit and untiring effort he has put into every game that he has played this year. During the whole football season George missed but one or two evenings practice. As guard he has proven himself to be one of the best that this school has had the pleasure and honor of possessing. Many points that were stacked up were due to the fine ability as a goal kicker which he possessed. Furthermore, when on the field no one on the team put more pep and fight into the game and incidentally into the players, than did Gabler. The student body will miss old Gab next year when the football season opens.

COMMACK, LEFT GUARD.

Commack is one of the players upon whom the students have fallen

*Continued on Page Nine.

E. NEIL, TACKLE.

Earl came to us from the Springfield Teachers College, where he had made quite a reputation for himself as a football player. Speaking in everybodyphraseology Earl is one sweet football player. He is a tower of strength on the defensive, and a veritable whirlwind on the offensive. Earl is a quiet fellow, perhaps he believes in the old saying, that "actions speak louder than words." The way he tears through the lines and busts up plays surely makes up for his lack of words.

It is rather difficult to pick out a game where his work outshone his playing in other games, because he is not the flashy type of player who shines for awhile and then goes out. His playing was consistent throughout the season.

Earl is one member of the firm of E. and M. Neil, Twins. He so closely resembles his brother Merl, that Coach McCollum has a hard time telling them apart, often talking to Merl when he thought his listener was Earl.

Earl is a gentleman, both on the field and off the field, and a real football player. We hope he will hold down the tackle position for us again next year.

CAMPBELL, END.

"Jack" Campbell played his first football for M. S. M. three years ago, and has been going strong ever since. He is a fast, dependable, heady, player, both on the offensive and on the defensive. This year has seen Jack at his best. He furnished plenty of competition for the end aspirants, being light of foot he was hard to beat in getting down on punts and breaking up forward passes. This is Jack's last year, and his absence will be very keenly felt from the line-up next fall.

M. NEIL, TACKLE.

Merl is the other member of the firm of E. and M. Neil, Twins. He also came to us from the Springfield Teachers College, where he held down a line position for the Bears. We always felt safe when we saw a play going toward Merl's tackle, because we knew it was headed for a stone wall. He is a fighter from start to finish, and doesn't know the meaning of the word quit.

Merl is a quick thinker. He is quick to diagnose a play, and just as quick at breaking it up.

He makes an excellent running mate for his brother Earl at the other tackle, and they form a combina-

tion that is hard to beat. Merl has two years more of football at M. S. M. Next year he should be one of the mainstays of the Miners' line.

Continued from Page One.

cluding Harvard, Yale, Princeton, Wesleyan and the University of Pennsylvania. The evolution of the American rules probably dates from that time.

Football was first played at the University of Missouri in 1890, and its origin was fostered by the late Dr. A. L. McRae, formerly Director here, who was at that time Assistant Professor of Physics, and connected with the U. S. Signal Service Station at Columbia, Mo. Washington U. defeated Missouri U. that year and the next year, which was really the first year, four games were played, of which three were won and one was lost.

The School of Mines at Rolla played its first game, against Drury, in 1893, and the team here, too, was promoted by Dr. McRae, for in the Nov. 2, 1893, issue of the Rolla Herald, we find the following: "Under Dr. McRae's enthusiasm and efforts the football team is assuming shape; their suits have been ordered, enough money collected to pay for them, and they expect to meet Drury with the same old war cry."

Again, in the Nov. 16 issue, we find: "Drury don't seem very anxious to meet our team. We are ready when they give the word."

Evidently, from the above paragraphs, it seems as if we had a rather ungentlemanly reputation, for in the excerpts of the game which appeared in the Nov. 23d issue of the Herald, we find the following: "The team controlled its temper well. One man did lose his under great provocation and struck an opponent, but apologized a moment later." In the same issue: "The School of Mines team deserves great credit for the game it played. It has had only two weeks of practice, and never lined up

as a team before, while Drury has been playing football for 3 years. Drury won this game, 16 to 0, scoring a touchdown but one minute after the game had started, when they formed a V, which swung to the left as soon as it hit our line. The interference was so good that they could not be stopped."

Landis was captain of our first team, and played end along with Fay; Weissgerber and Gormley were tackles; Allen and Clark, guards; Wickham, center; Spencer, quarter; Larsh, right half; Smith, left half; and Grove, full back. J. C. Cox was substituted for Spencer in the game, but in a few moments hurt his knee, and Dwyer took his place.

Thus started our football teams, and space alone prevents us from giving a complete history to date.

There will be a Miner Dance on Friday night. Usual price, usual good music.

VOCATE.**Honor Roll, Football Men.**

"Hank" Owens, made team three years. Letter '20.

"Dip" Wendel, made team three years, captain of team '21. Leg broken beginning of season '21.

Sam Zook. Letters '20, '21, '22. All-State honors '21.

"Peaches" Evans did good work as "All-Campus Oil Can" for three years.

Several of the Vocates have tried out and have taken the gaff right along with their unhandicapped classmates.

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EDITORIALLY SPEAKING.

This, football men, is the big football issue which we have promised. We have tried to make it as large as our meager finances and lack of time would permit, and all we ask in payment is that you accept the articles which appear in these columns in the spirit in which they were written. The entire Miner Staff has combined their every effort towards making this issue a success. If we have succeeded in doing so, we are satisfied.

We are with you, football men, as are certain members of the faculty. Little do we know of the hardships you are forced to undergo on and off the football field, but you have our moral support, at least.

To the regulars we extend the hospitality of our city; to the substitutes we give all but the key to our cellars, for you are justly deserving of untold honors. You have battled against odds during the entire season and played only when opportunity knocked at your door.

Our only regret is that we could not consider each man upon the squad individually, but fortune has not smiled upon us this year, and we herewith present the football number as it is.

FOOTBALL BANQUET.

We have heard rumors of a football banquet to be held some time in the very near future. Just how soon it will be given our inquiring reporter was unable to ascertain, however, we can rest assured that it is going to be awful "sudden like."

From all indications those sponsoring this movement have taken a step in the right direction by planning upon having it in the Gym this year. We have always maintained that the hotel was inadequate for such a purpose, and further shown that there was "something lacking" when held elsewhere.

At the memorable banquet of 1921 which was held in the Gym, it was decreed by those present that the football banquet should be instituted as an annual affair, as near Dec. 10 as possible.

"Somebody" is getting behind this good thing and pushing it along. Let's all get out and help put on a banquet which will go down in the annals of our school as a fitting memorial to those football men who were out and stayed out during the entire season.

THE OIL CANS.

While you were sitting in the stands at any of the Miner games watching the Varsity perform, did you ever stop for a moment to consider who it was that was responsible for the showing of the Varsity? While you were sitting there, glad in your own heart that you weren't in the path of Tucker's terrific line plunges, or that you were the only one between Kemper and the goal line when the big end was racing down the field with a forward pass, did you ever stop to think of, or give consideration to, the fellows who meet with these situations almost every night?

If you have you surely have nothing but praise and admiration for the Oil Cans. To the men who go out to practice every night, who suffer the knocks and bruises that accompany it, repaid only with the thought that some time, somehow, their opportunity would come, this article is dedicated.

Lacking the thrill that the Varsity man gets when the opening whistle sends him down the field with the cry "Get your man," minus the feeling of joy that only the Varsity man knows when the plaudits of the crowd makes known their appreciation of his efforts, the Scrubs sit huddled up together on the bench, waiting and

hoping to get in and do their share.

In the Kansas City University game, when the Oil Cans functioned as a team, they let loose that stored up energy that had been accumulating all season and gave a demonstration of football that made the crowd sit up and marvel. It gave the Miners supporters high hopes for a good team next year.

We wish to take this opportunity of extending to the Oil Cans, for their efforts and sacrifices during the past season, the gratitude and appreciation of the entire student body.

PROGRAM

ROLLA'S THEATRE

TUESDAY, DEC. 4th

HAROLD LLOYD

in

SAFETY LAST

WEDNESDAY, DEC. 5th

KATHERYN McDONALD

and

BRYANT WASHBURN

in

WOMAN CONQUERS

THURSDAY AND FRIDAY

DEC. 6th and 7th

LOIS WILSON

in

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Choice of a Career

From the Yale News

THE NINETY-FOUR

Someone, probably an insurance agent, was quoted recently as saying that from the mass of one hundred college graduates one individual only rose to the Polo and butler class, perilously near the top of the financial ladder. Five others became comfortably off and found themselves after twenty years at the small yacht and chauffeur stage. The other ninety-four presumably congregate in the great section of the American people who drive their own Buicks to the golf club. In other words, dreaming about being a rich man is one thing, and making the grade is "something else again."

Yet the ninety-four presumably work just as hard as the sumptuous six. Their business is the axis on which a small and uninteresting world revolves. They have become devotees of the dollar and when that fickle deity deserts, have nowhere else to turn. Jammed in a dull, straight rut of business they can never leave the road and jump the fence into finer fields of life. This, then, is the portion of ninety-four men out of every hundred now on the campus.

The answer to the problem lies in the proper choice of a career.

Between now and Commencement we shall have something to offer on the subject of "Careers." Watch for the space with the Famous Signature.

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Remember Way Back When—

Murph Saliker, '14, featured our 1912 game with Oklahoma Aggies by his good punting on that muddy field.

The 1914 team played football.

Jack Imlay, '18, at half, was the best open field runner ever at Rolla. Imlay is working in Africa.

Pitts Bland, '17, played a stellar season at half back.

Kiskaddon, '18, at quarter, made the All-State team.

Copley, '18, at tackle, was one of our features.

Kelly Miller, '16, was one of the best ends we ever had.

That 1914 team was almost Missouri Valley Champ?

Kelly Miller was killed some time ago in a mine accident.

Mickey Brazill, '20, played half on the '15 and '16 teams. M. P. Brazill is in charge of the construction of the New Block Plant of the United Last Co. at Crystal Falls, Mich.

Hank Zoller played center from '19 to '23. Hank was the best center we have had. Zoller is operating geologist in Tulsa, Okla.

TUCKER SERIOUSLY HURT IN AGGIE GAME.

Joe Tucker, halfback, one of the mainstays of the Miners' backfield, was very seriously injured in the Arkansas Aggie game. Following the game he was taken to St. Louis and placed in Barnes Hospital, where several X-rays of his head were taken. It is thought that he is suffering from concussion of the brain. Since the game he has suffered constantly from severe headaches, and at present one of his legs seems to be paralyzed.

Coach McCollum, Dr. Baysinger, Dr. Fulton and his brother are constantly with him.

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HONK - A - TONK

Continued from Page One

returned the ball to mid-field. Two line smashes netted a first down. A pass was intercepted by Robinson. Tucker made 10 yards around right end, and Robinson slipped off tackle for 8 yards. The Miners fumbled and the Aggies recovered. Aggies hit the line for 5 yards. An end run was good for five yards and first down. Commack goes in for Johnson. The Miners' line stiffens, and they get the ball on downs. Tucker smashes off tackle for 5 yards. The Miners fumble, but Gabler recovers. Gabler punts, and it is the Aggies' ball on their own 40-yard line. The Aggies complete a pass for 20 yards as the quarter ends.

Second Quarter.

The Aggies gain 4 yards on an end run, and Tucker hits the line for 5 yards. A forward pass was grounded. The Aggies' attempted place kick failed, and it was the Miners' ball on the 20-yard line. Gabler punted out of bounds on the 50-yard line. Tucker made 15 yards around right end, and the Miners were penalized 5 yards for offside. An attempted drop-kick fell short, and it was the Miners' ball on their own 20-yard line. Tucker made 10 yards around right end, and Thomas duplicated the play for 9 yards. Kemper was injured on the play, and forced to retire from the game. Campbell went in for Kemper. Robinson was thrown for a 5-yard loss. Fisher made 3 yards around end, and Gabler punts on the next down. M. Neil fell on the ball after an Aggie player had touched it. A pass was incomplete. Tucker was injured, and was forced to retire. Modoff went in for Tucker. Gabler punts to the Aggies' 30-yard line. A pass was incomplete. Tucker went around right end for 20 yards. Jones made 3 yards around left end. Tucker fumbled, but recovered. Thompson lost a yard, and a pass was incomplete. Miners' ball on their own 45-yard line. Miners fumble a completed pass, but recover on Aggies' 45-yard line. Thomas shot off tackle for 5 yards. A pass was incomplete, and it was the Aggies' ball on their own 35-yard line. Two line smashes netted 12 yards. Player went in for Robinson. Thomas intercepted a pass on his own 35-yard line. Player and Thomas made 11 yards on end runs. Berry went in for Thomas. A pass was incomplete, and Player made 1 yard off tackle.

Third Quarter.

Thomas returns to line-up. Min-

ers kick off to Aggies on their own 30-yard line. Tucker forward-passed to Thompson for 20 yards, but Thompson was ineligible to receive the pass, and the ball was returned to the 30-yard line. Tucker hit the line for 5 yards. The Aggies punted out of bounds on the Miners' 35-yard line. Fisher broke through the line for 5 yards. Miners penalized 5 yards for offside. A pass was incomplete. Gabler punted 50 yards. With Tucker, Jones and Powers alternating the Aggies carried the ball from their own 15-yard line across the Miners' goal line for a touchdown. Tucker failed to kick goal. Aggies 13, Miners 0.

Robinson for Modoff. Aggies kick off to Ledford on the Miners' 30-yard line. Robinson hit the line for 8 yards. Gabler punted, and Fisher recovered. Robinson again went through the line for 8 yards, and Fisher added 6 yards more. Thomas and Robinson made 6 yards, but Fisher failed to gain. The Aggies intercepted a pass on their own 10-yard line.

Fourth Quarter.

Tucker punted to Thomas on the Miners' 40-yard line. Robinson hit the center of the line for 3 yards, but a pass was incomplete. Gabler punted to the Aggies 45-yard line. Tucker made 20 yards around end. Robinson stopped Lyons for no gain. The Aggies broke through the Miner line for 20 yards. Tucker made 6 yards through the line on two attempts. The Miners held for downs on the 1-yard line. Gabler punted to the 32-yard line. Tucker made 30 yards on two end runs. Berry went in for Player. Lyons crossed the goal line for a touchdown, after two attempts. Tucker kicked goal. Aggies 20, Miners 0.

The Aggies kicked off to Thomas on the Miners' 20-yard line. Robinson made 5 yards off tackle. Fisher made 10 yards around end, but Robinson was stopped for no gain. Thomas hit the center of the line for 2 yards, and Gabler punted to the Aggies' 30-yard line. A pass was incomplete. Hamilton went around end for 10 yards, and Tucker duplicated the play for 12 yards. Two passes were incomplete, and the Aggies punted to the Miners 20-yard line. Gabler punted to the 50-yard line. A pass was intercepted by Thomas. Berry hit the line for 5 yards. Fisher passed to Campbell for 20 yards, and again passed to Ledford for 7 yards. The game ended with the Miners in possession of

the ball on the Aggies' 30-yard line.

Line-up:

Miners.		Aggies.
Kemper.....	l e.....	Roger
M. Neil.....	l t.....	Ham
Johnson.....	l g.....	Reasnor
Zoller.....	c.....	Thompson
Gabler.....	r g.....	Smith
E. Neil.....	r t.....	McElroy
Ledford.....	r e.....	Ganner
Thomas.....	q b.....	Tucker
Tucker.....	l h.....	Powers
Robinson.....	f b.....	Jones
Fisher.....	r h.....	Webb

Touchdowns: Tucker, Powers,
Lyons. Goals after touchdown:
Tucker (2).

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ROLLA, MO.,

Continued from page four

back for a few points when things were looking black, and Commack always has proved himself worthy of that trust. A big boy, built like a red brick house, and every inch of that big boy a fighting unit. "Kurt" played the position of left guard, and, as every one knows, he played that position like a veteran. Commack has had two years of college football, but he was a master in the art from the minute that he set his foot on the athletic field, and the beauty of the thing is that he has two more years in which to spread his stuff. The student body are back of him, and look forward to the time that they will see him in action again next year.

ALUMNI.

Remember Way Back When—

That 1900 football team had Jim Gregory, '04, at half back, Don Southgate, '00, at half, Judy Prugh at center, and Little Burr at quarter. Gregory is now a contractor at Newport, Ark. Southgate is, at present, city engineer for St. Louis.

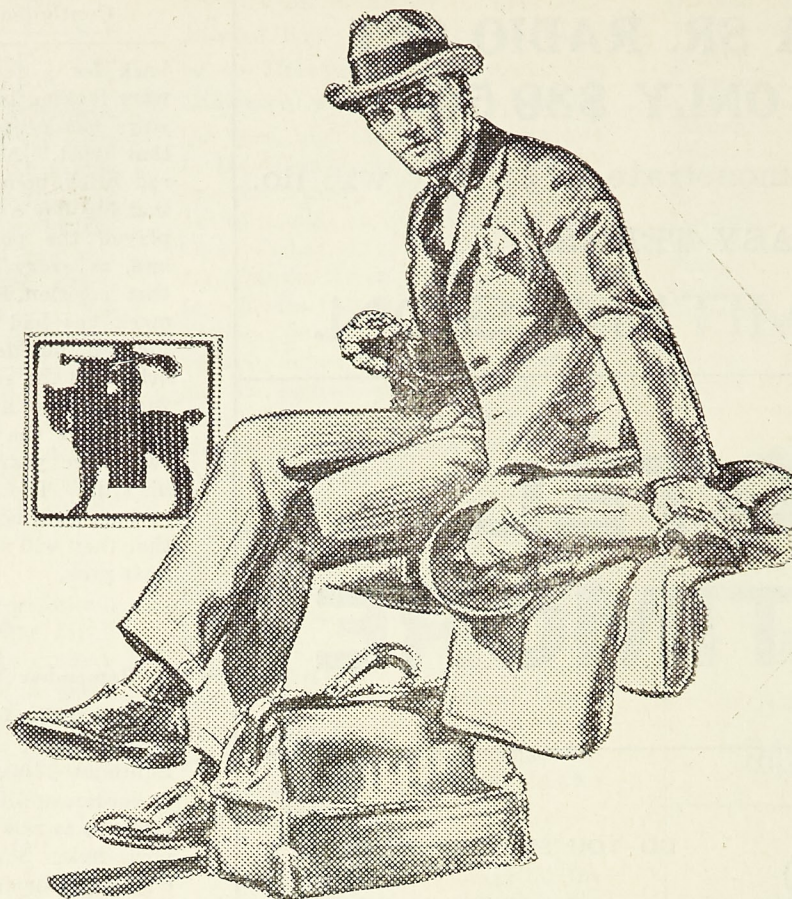
That 1910 team was State Champion. T. W. Blake, '11, at quarter, R. A. Wagstaff, '13, and Macomber at the halves, and Detweiler at end, made the All-Missouri team. Macomber's 40-yard place kick won our game from St. Louis U. Detweiler is coal mining somewhere in Illinois. Macomber is now deceased. Wagstaff was assistant football coach here in 1912. Blake is now Supt. at Union Carbide Co., at Welland, Ontario, Canada. Wagstaff is Asst. Supt. at American Smelting and Refining Co., at Garfield, Utah.

The Miners' game with Missouri U. in 1910 was a freak? We lost the game officially, but they offered us their football as a token of superiority. R. C. Thompson will be remembered as one of our good ends. Thompson is now dead.

D. E. Andrus, '13, played tackle, and in the Washington game of 1912 made a spectacular 30-yard run almost at the end of the game that came near winning the game for us.

Miners beat St. Louis U. 60-0 in 1913, and we were classed as football champions of the West; Yale of the East.

L. Lodwick, '14, featured as tackle in all our 1913 games.



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ALL-AMERICAN TEAM.

To pick an All-American team that will satisfy the majority of football supporters is a difficult task, to pick one that will satisfy every one is impossible.

It is not my intention to criticize the work of well known sport critics who yearly pick All-American teams, but, in my estimation, some comment on their choices for positions on this mythical eleven is not out of place.

To the loyal followers of the gridiron who yearly look forward to these all-American teams the names of O'Brien, Casey, Mulligan and McGinnis are even familiar. They hold a foremost place in the ranks of the best players that ever donned mole-skins. But America has been known as a melting pot, that is its population is made up of people from almost every country on the globe. They have taken their part in athletics and where it is deserved they should be given the credit that is due

them.

I am not trying to detract from the credit which belongs to the Caseys, Mulligans and the others, instead I am trying to equalize things that need equalizing. So in response to the many clamoring which we have had from our readers for our choice of an all-American team I submit the following selections:

All-American:

Rokuskek.....	L E.....	Illinois
Levinsky.....	L T.....	Navy
Flickenstein.....	L G.....	Iowa
Pondelik.....	C	Chicago
Bieberstein.....	R G.....	Wisconsin
Garbisch.....	R T.....	Army
Krasuski.....	R E.....	Iowa
Stuhldreher.....	Q B.....	Notre Dame
Rabenstein.....	H B.....	Centre
Ramiscioti.....	H B.....	St. Louis
Destephanno.....	F B.....	Northwestern

AN APPRECIATION.

The gratitude of the whole school is extended to three men, who without thought of reward, other than

service to the football team and the school, gave freely their time and labor to the work of rubbing down the football men every evening after each practice. At no time were they missing when their services were needed. Any one will serve in the heat of the game, but these three men served in the dull, gray grind of practice, without the player's incentives—the hope of making the team, the thrill of the playing.

These men are "Skipper" Cathcart, Bill Alton and George Dierking. They can feel that they have won the respect and admiration of the entire student body, as well as having served the school at the sacrifice of their time and efforts. When every one has the same desire to be of service to the school, then will Missouri School of Mines loom large on the collegiate horizon.

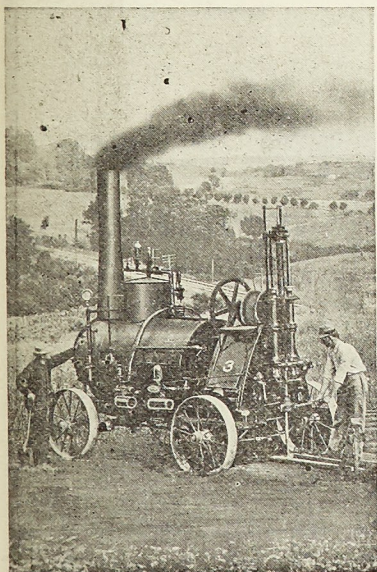
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THANKS, MR. FOLEY.

We wish, at this time, to publicly
thank Mr. F. B. Foley, of the Bureau
of Mines Station here, for the cover
design upon this issue. His intense

interest in our behalf merits praise,
and his artistic ability has materially
aided us in the publication of this
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ROLLA ALL-STARS VS. FACULTY

The Rolla All-Stars defeated the Faculty eleven 14 to 7 in a stiffly contested game, which was played recently on Jackling Field. A huge crowd was attracted to the amphitheatre to witness the annual classic between these two teams. The proceeds of the game this year were donated to the Society for the Advancement of the Ethiopian Race in Nova

Scotia.

The first quarter of the game was uneventful, both teams resorted to straight football, and neither seemed able to make any appreciable gains. In the second quarter the Faculty obtained possession of the ball in mid-field and began a steady march towards the All-Stars' goal. Woodman hit the line for 2 feet. The Faculty was allowed 2 feet 1 inch on this play, when Woodman applied the formula for the temperature coefficient of expansion and found that 1 inch was coming to them.

Ratliff circled the end for 15 inches, but the Faculty was penalized 5 yards when Cambiaire saw a pretty girl in the stands and failed to get on the line of scrimmage. Boyce gained 10 yards off tackle, but lost 20 yards on the next play when he thought it would be moer economical to go around end. Woodman gained the ball off tackle, but lost his equilibrium from an equal and opposite reaction, and failed to gain. Ratliff forward passed to Dake, who dodged thru the entire opposing team and groveled down the remaining distance of the Penepplain to a touchdown. Fulton kicked goal.

The All-Stars garnered both of their touchdowns in the last quarter. Boob McNutt hit the line for first down on the Faculty's 30-yard line. Dan Jett made 20 yards around end, but the All-Stars lost the gain when Dan forgot his little red bag and went back to get it.

Rohloff, the All-Stars' giant full-back, then smashed the line for a touchdown. Fred Smith kicked goal.

After the kick-off the All-Stars began their second triumphant march to a touchdown. Jett made 2 yards

on a fake pass, and McNutt added 2 more. The All-Stars were penalized 5 yards for delaying the game when Fred Smith went down to the store to see if there were any customers. Jett forward passed to Updike for 5 yards. "Slim" made a beautiful catch of the pass, leaping 25 feet in the air to grab it. On the next play Seiver misunderstood the signals, and instead of hitting the line he circled left end. The play was good, however, an Seiver raced thru the eighteen holes for a touchdown. Mike Bratcher kicked goal.

Final score: All-Stars 14, Faculty 7.

Line-up:

All-Stars.	Faculty.
Updike.....l e.....	Fulton
Bowers.....l jt.....	Cambiaire
Pond.....l g.....	Lovett
Fred Smith.....c.....	Butler
Mike Bratcher.....r g.....	Henning
Walker.....r t.....	Dean
Rice.....r e.....	Dake
Dan Jett.....q b.....	Ratliff
Boob McNutt.....l h.....	Boyce
Seiver.....r h.....	Bridge
Rohloff.....f b.....	Woodman

Officials: Man-Of-War, Referee;
Rose-of-Washington Square, Umpire;
Peg-of My Heart, Head Linesman.

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KEMPER MAKES ALL-STAR**M. I. A. A. ELEVEN.**

A recent issue of the Kansas City Star contained a line-up of a mythical all-star eleven, which was composed of players from the teams that make up the M. I. A. A. Kemper, of the Miners, was chosen for one of the ends on the first team, while Ledford was picked for one of the wing positions on the second team, and Nolen was selected to fill the quarterback berth on the same team. Gabler, guard; Earl and Meri Neil, tackles; and Thomas, halfback, were given honorable mention.

The Star contained the following write-up of Kemper: "Kemper, Rolla, end. Age 20, first year, weight 190, 6 ft. 2, fine pass receiver, pulls down balls that seem impossible to catch. Tremendous reach, using this to good advantage on the defense."

It is a just reward for Kemper after a season of stellar football. "Kemp" was one of the mainstays of the team during the season just closed, and it is no wonder that his playing has warranted for him the above mentioned honor. The selection of Nolen and Ledford, and the mentioning of Gabler, E. and M. Neil and Thomas merits praise, as their playing during the past season was far above the average.

Nolen would undoubtedly have gained a place on the first eleven had not injuries kept him on the sidelines during some of the most important games.

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We have had a very limited number of extra copies of this issue of the Miner printed. In case you want an extra copy see some member of the Staff. Price, 15 cents.

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**MINERS REPLACE CENTRAL
WESLEYAN IN THE M. C. U.**

At a recent meeting of representatives of the schools which compose the M. C. U., Central Wesleyan College, of Warrenton, was ousted from their ranks for using two ineligible men during the past football season, and the Missouri School of Mines was elected to fill the vacancy left open by the withdrawal of Central Wesleyan.

Athletic Director Dennie, who is attending the meeting, has arranged the following football and basketball schedules to date:

Basketball.

Jan. 24-25, Wm. Jewell at Rolla.
 Feb. 7, Mo. Wesleyan, at Rolla.
 Feb. 13, Culver-Stockton, at Rolla.
 Feb. 21, Mo. Wesleyan at Cameron.
 Feb. 22, Wm. Jewell, at Liberty.
 Feb. 29, Central Wesleyan at Rolla.

Football.

Oct. 17, Central, at Rolla (tentative.)
 Nov. 14, Mo. Wesleyan, at Cameron (tentative.)
 Nov. 21, Drury (place undetermined.)

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1923	Team	Opponents
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